

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-9. (Canceled)

10. (Currently Amended) A driving method of an electronic apparatus ~~having an~~ having an active electronic device including a carbon nanotube, a first electrode connected to one end of the carbon nanotube, a second electrode connected to the other end of the carbon nanotube, and a third electrode placed near the carbon nanotube to irradiate the carbon nanotube with electromagnetic waves, the method comprising:

causing the third electrode to output electromagnetic waves; and

varying a frequency of the electromagnetic waves to control a conductance of the carbon nanotube, wherein the frequency includes at least a predetermined frequency so that the conductance of the carbon nanotube is increased.

11. (Canceled)

12. (Previously Presented) The driving method of claim 10, wherein the frequency is about 1GHz.